1DN5

DIODE—REMOTE-CUTOFF PENTODE

7-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

Filament, Coated:		
Voltage	1.4	dc volts
Current	0.05	amp
Direct Interelectrode Capacitance (Approx.):°		
Diode plate to pentode grid No.1	0.04	μμf

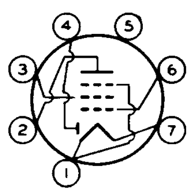
Characteristics, Class A_1 Amplifier (Pentode Unit):

Plate Voltage	67.5	volts
Grid-No.2 (Screen-Grid) Voltage	67.5	volts
Grid-No.1 (Control-Grid) Voltage	0	volts
Plate Resistance (Approx.)	0.6	megohm
Transconductance	630	μmhos
Plate Current	2.1	ma
Grid-No.2 Current	0.55	ma
Grid-No.1 Voltage (Approx.) for transconductance of 10 μmhos	-11.5	volts

Mechanical:

Mounting Position	Any
Maximum Overall Length	2-1/8"
Maximum Seated Length	1-7/8"
Length, Base Seat to Bulb Top (Excluding tip)	1-1/2" ± 3/32"
Maximum Diameter	3/4"
Dimensional Outline	*See General Section*
Bulb	T5-1/2
Base	Small-Button Miniature 7-Pin (JETEC No.E7-1)
Basing Designation for BOTTOM VIEW	6BW

Pin 1 - Filament (-), Pentode Grid No.3
Pin 2 - Pentode Plate
Pin 3 - Pentode Grid No.2



Pin 4 - Diode Plate
Pin 5 - No Connection
Pin 6 - Pentode Grid No.1
Pin 7 - Filament (+)

PENTODE UNIT - Class A_1 Amplifier

Maximum Ratings, *Design-Center Values:*

PLATE VOLTAGE	90 max.	volts
GRID-No.2 (SCREEN-GRID) VOLTAGE	90 max.	volts
GRID-No.1 (CONTROL-GRID) VOLTAGE:		
Negative bias value	50 max.	volts
Positive bias value	0 max.	volts
CATHODE CURRENT	3 max.	ma

Maximum Circuit Values:

Grid-No.1-Circuit Resistance	3.3 max.	megohms

° Without external shield.

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DIODE–REMOTE-CUTOFF PENTODE

DIODE UNIT

Maximum Ratings, *Design-Center Values:*

PLATE CURRENT.	0.25 max.	ma

Characteristics:

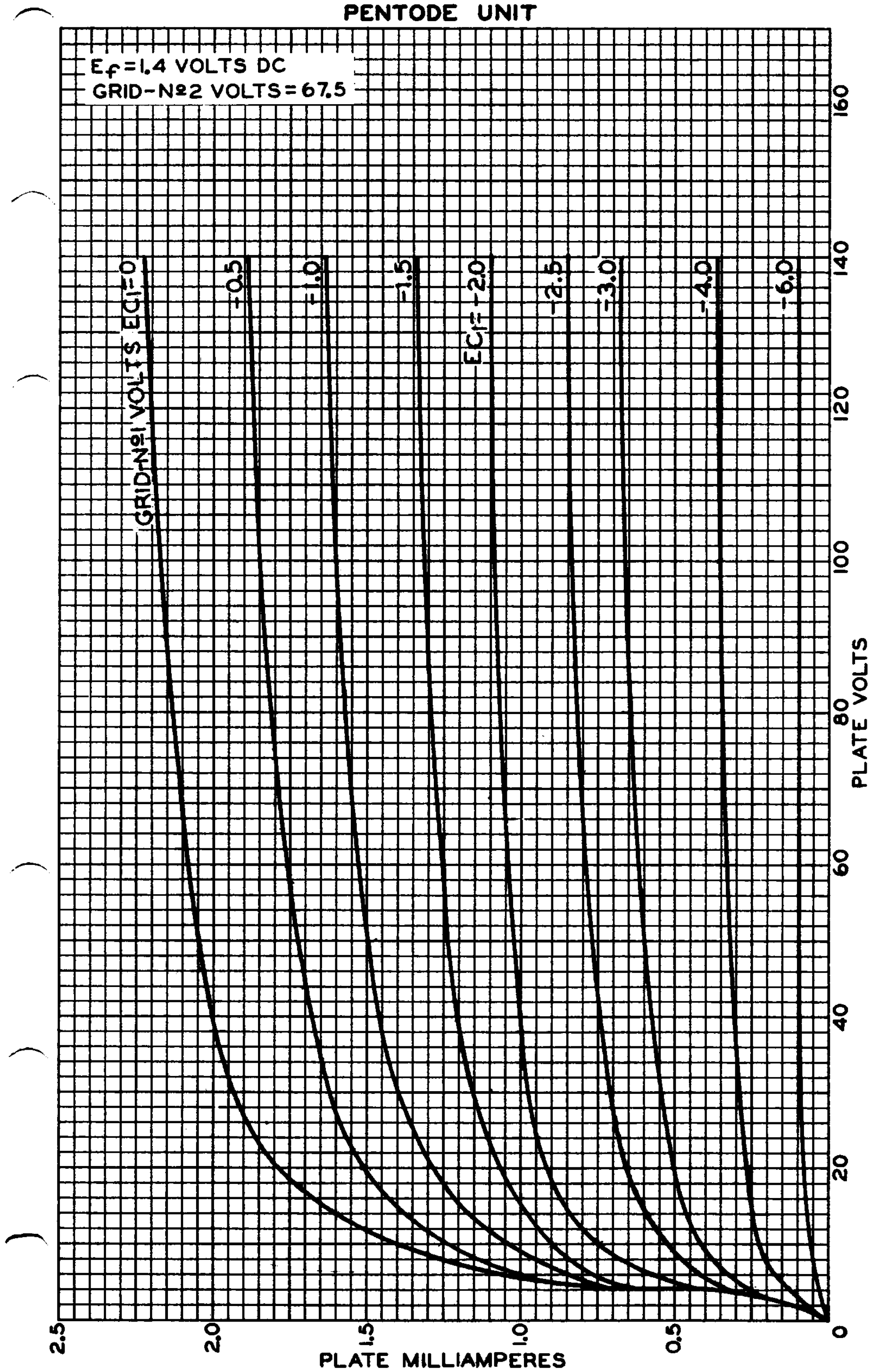
Average Plate Current with dc plate voltage of 10 volts.	1	ma

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AVERAGE PLATE CHARACTERISTICS

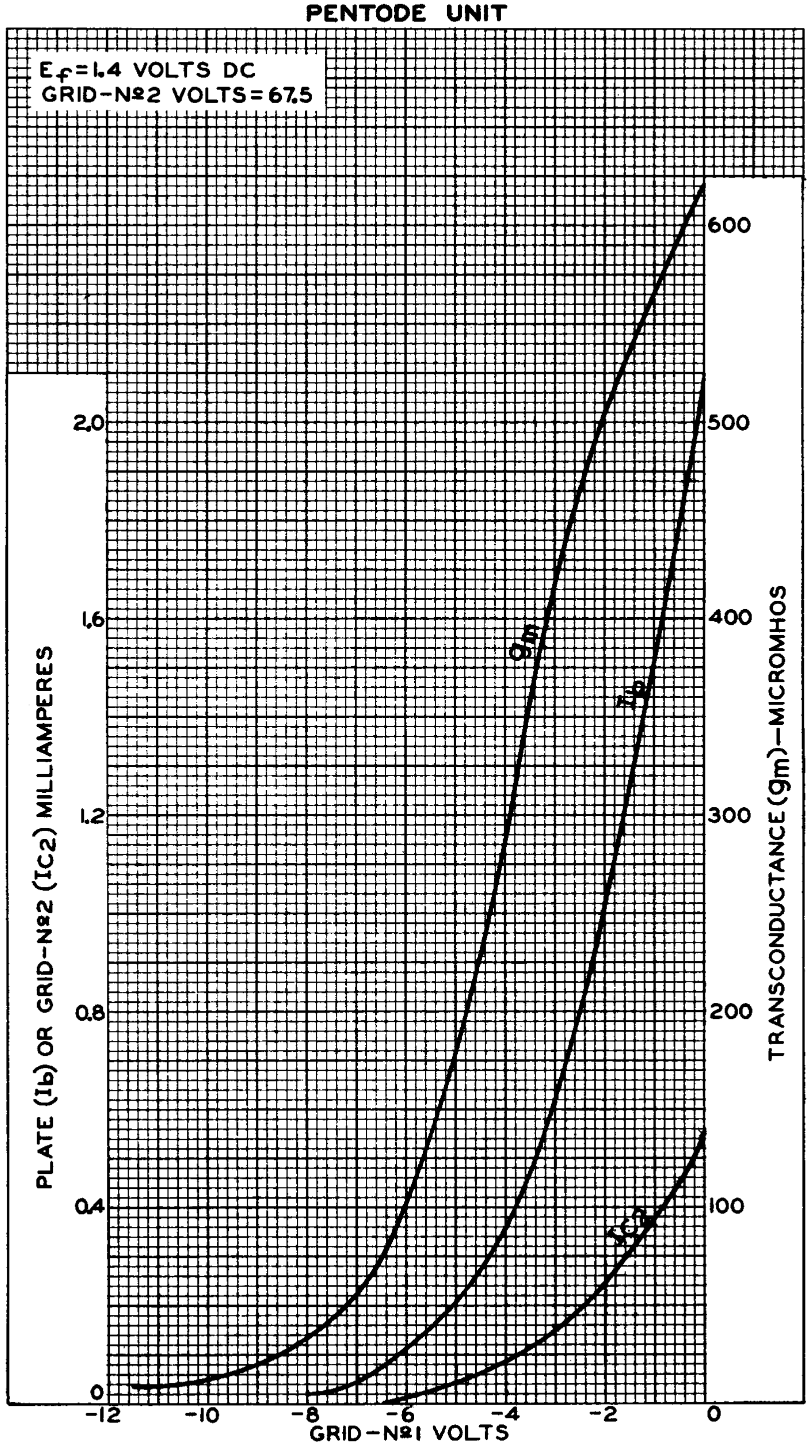
PENTODE UNIT



ELECTRON TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-9348

IDN5
AVERAGE CHARACTERISTICS
PENTODE UNIT



ELECTRON TUBE DIVISION 92CM-9347

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY